

ALCOHOL

SUBJECT AND AUTHOR INDEX

VOLUME 9, 1992



Pergamon Press
New York • Oxford • Seoul • Tokyo

ALCOHOL

An International Biomedical Journal
incorporating *Alcohol and Drug Research*

Editor-in-Chief

R. D. MYERS

*Department of Pharmacology, School of Medicine
East Carolina University, Greenville, NC 27858*

Editorial Advisory Board

D. P. AGARWAL (*Hamburg, Germany*)
H. BEGLEITER (*Brooklyn, NY*)
S. BORG (*Stockholm, Sweden*)
A. C. COLLINS (*Boulder, CO*)
M. A. COLLINS (*Maywood, IL*)
J. C. CRABBE (*Portland, OR*)
C. K. ERICKSON (*Austin, TX*)
C. J. P. ERIKSSON (*Helsinki, Finland*)
M. FAIMAN (*Lawrence, KS*)
J. FALK (*New Brunswick, NJ*)
G. FREUND (*Gainesville, FL*)
D. GOLDSTEIN (*Stanford, CA*)
R. A. HARRIS (*Denver, CO*)
P. HOFFMAN (*Denver, CO*)
W. A. HUNT (*Rockville, MD*)
Y. ISRAEL (*Toronto, Canada*)
H. KALANT (*Toronto, Canada*)
J. KHANNA (*Toronto, Canada*)
K. KIIANMAA (*Helsinki, Finland*)

K. KURIYAMA (*Kyoto, Japan*)
S. W. LESLIE (*Austin, TX*)
M. LEWIS (*Washington, DC*)
T.-K. LI (*Indianapolis, IN*)
C. LIEBER (*Bronx, NY*)
K. O. LINDROS (*Helsinki, Finland*)
N. MELLO (*Belmont, MA*)
D. R. PETERSON (*Boulder, CO*)
L. A. POHORECKY (*Piscataway, NJ*)
C. RANDALL (*Charleston, SC*)
E. RILEY (*San Diego, CA*)
H. H. SAMSON (*Seattle, WA*)
J. D. SINCLAIR (*Helsinki, Finland*)
B. TABAKOFF (*Bethesda, MD*)
M. TRABUCCHI (*Rome, Italy*)
D. H. VAN THIEL (*Pittsburgh, PA*)
D. W. WALKER (*Gainesville, FL*)
M. J. WAYNER (*San Antonio, TX*)
J. R. WEST (*Iowa City, IA*)

Managing Editor:

M. A. MYERS

ALCOHOL

Editorial Offices:

R. D. MYERS
Department of Pharmacology, School of Medicine
East Carolina University, Greenville, NC 27858

Publishing, Subscription and Advertising Offices:

Pergamon Press Inc., 660 White Plains Road, Tarrytown, NY 10591-5153, USA, INTERNET "PPI@PERGAMON.COM"
and Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

Published Bimonthly

Annual institutional subscription rate (1993): £315 (US\$599);

Personal subscription rate for those whose library subscribes at the regular rate (1993): £68 (US\$129).

Sterling prices are definitive. US dollar prices are quoted for convenience only, and are subject to exchange rate fluctuation.

Prices include postage and insurance and are subject to change without notice.

SUBJECT INDEX

- AA and ANA rats, 369
 AA rat line, 441
 Aberrant drinking, 501
 Absorption, 83
 Acetaldehyde, 207
 Acetaldehyde, 181, 535, 563
 Acetaldehyde-hemoglobin adducts, 563
 Acetaldehyde-modified hemoglobin, 563
 Acetaldehyde oxidation, 375
 Acetate uptake, 541
 Action potential, 103
 Activation markers, 481
 Addiction, 327
 Adenosine, 541
 Aged rats, 299
 Aging, 555
 Alcohol, 9, 17, 37, 71, 139, 149, 171, 181, 203, 213, 247, 299, 311, 381, 395, 415, 445, 473, 541, 547, 555
 Alcohol abuse, 53
 Alcohol dehydrogenase, 421
 Alcohol deprivation, 441
 Alcohol drinking, 49, 155, 441, 501, 547
 Alcohol preference, 501
 Alcohol selection, 123
 Alcohol sensitivity, 225
 Alcoholic liver disease, 139, 341
 Alcoholic myopathy, 79
 Alcoholics, 49
 Alcoholism, 53, 181, 233, 433, 501
 Aldehyde dehydrogenase, 199
 Aldehyde dehydrogenase inhibition, 349
 Alkanes and malondialdehyde due to ethanol iron chelator, 363
 Alpha adrenoceptors, 389
 α_1 -proteinase inhibitor, 181
 Alzheimer's disease, 233
 Angiotensin converting enzyme inhibitors, 53
 Angiotensin II, 53
 Anti-CD3 stimulation, 481
 Antioxidant enzymes, 403
 Area postrema, 389
 Ascorbate, 535
 Atrial contraction, 293
 Atrial membrane potentials, 87
 Aversion, 109
- Beer, 9
 Behavioral reactivity, 523
 Behavioral tolerance, 167
 Benzodiazepine receptors, 261
 Benzodiazepines, 199
 β -adrenoceptors, 305
 β -estradiol, 465
 Biphasic effects, 117
 Blood alcohol level, 75
 Blood circulation, 149
 Blood ethanol levels, 547
 Bombesin, 123
 Brain damage, chronic, 233
 Brain temperature, 275
 Breath acetaldehyde, 189
 Breath ethanol, 189
 Buspirone, 283
- Calcium-channel modulators, 293
 Capillarization, 473
 Carbachol, 63
 Cardiac function, 149
 Cardiorespiratory reflex, 317
 Cat, 389
 Catalase, 207
 Catecholamines, 129
 Caudate-putamen, 23
 Cell death, 171
 Ceramide molecular species, 323
 Cerebellum, 225, 261
 C57BL/6 mice, 193
 C57 mice, 257
 Chick embryo, 161
 Chlordiazepoxide, 199
 Choline acetyltransferase, 299
 Cholinergic neurons, 299
 Chronic alcoholism, 79
 Chronic ethanol, 305
 Cimetidine, 363
 Citric acid, 155
 Clofibrate, 139
 Clofibrate analogues, 139
 Clonidine, 389
c-myc, 279
 Cocaine, 489
 Concanavalin A, 489
 Concurrent schedule, 547
 Conditioned place preference, 1, 109, 185
 Conditioned taste aversion, 167
 Conduction velocity, 103
 Context, 109
 Continuous access, 409
 Copper, 341
 Copper sulfate, 389
 Corticosterone, 427, 465, 529
 Crab, 103
 Cyanamide, 31, 349, 501, 563
 Cytokine(s), 455, 489
 Cytoprotection, 421
- Dentate gyrus, 271
 Development, 9
 Development of drinking, 501
 Dexfenfluramine, 559
 Diazepam, 199
 Diazepam-insensitive binding, 261
 Diazepam sensitivity, 225
 Dihydropyridines, 293
 Dimethyl sulfoxide, 513
 Diphenylhexatriene, 513
 Diphenylhexatriene propionic acid, 513
 Disulfiram, 199
 Dopamine, 17
 Dopamine-D₂ receptors, 355
 Dopamine release, 23
 Drug discrimination, 1, 71, 117
 Drug history, 1
 Drug metabolism, 139
 Drug reinforcement, 547
 Drug testing, 441
 D₂-dopamine receptors, 133
- EEG, 275
 Eicosanoids, 139
- 8-OHDPAT, 283
 Electron microscopy, 509
 Electrophysiology, 43
 Emesis, 389
 Endothelial culture, 473
 Environmental cues, 327
 Esophageal tumors, 465
 Essential metals, 241
 Ethanol, 1, 9, 23, 31, 37, 43, 53, 63, 71, 83, 87, 93, 95, 103, 109, 117, 129, 133, 167, 185, 189, 193, 207, 241, 257, 271, 275, 279, 293, 327, 329, 355, 389, 403, 415, 421, 433, 455, 459, 489, 495, 501, 513, 529, 541, 547, 559, 563
 Ethanol elimination, 213
 Ethanol-induced hepatocellular injury, 363
 Ethanol intake, 53, 123, 375
 Ethanol metabolism, 139, 207
 Ethanol preference, 283
 Ethanol reinforcement, 409
 Ethanol sensitivity, 261
 Ethanol toxicity, 519
 Excitatory amino acid receptor-operated channels, 63
- Fatty acid composition, 329
 Fatty liver, 93
 Fetal alcohol exposure, 465, 481
 Fetal alcohol syndrome, 37, 161, 171, 219, 509
- Fibrosis, 341
 5-HT agonists, 523
 5-HT-1A receptor agonists, 283
 5-HT receptors, 369
 5-HT₂ receptors, 17
 5-HT syndrome, 523
 Fixed-ratio schedule, 547
 Fluidity, 311
 Fluorescence polarization, 513
 Food deprivation, 547
 Free intracellular Ca²⁺, 63
 Free radicals, 495
 Free radical scavenger, 363
 Fura-2, 63
- GABA, 519
 GABA_A, 261
 GABA-benzodiazepine, 233
 GABA_A receptors, 225
 Galactose, 83
 Gangliosides, 323
 Gastric fistula, 75
 Gastric infusion model, 473
 Gastric injury, 421
 GC/MS, 31
 Gender, 311, 421
 Gender differences, 193, 257
 Genetic factors, 501
 Genetic lines, 155
 Glucocorticoid cytosolic receptor, 481
 Glucose, 9
 Glutamate receptors, 37
 Glutathione, 241
 Granule cells, 225
 Gustatory reactions, 155

- HAD, 71
 HAS, 117
³H-DA, 23
 Heart, 305, 329
 Heat tolerance, 129
 Hematopoietic variables, 241
 Hemodynamics, 149
 Hemoglobin, 563
 Heparegen, 403
 [³H]5-HT, 369
 Hippocampus, 37
 [³H]ketanserin, 369
 [³H]LY278584, 369
 [³H]Ro 15-4513, 261
 [³H]Ro 15-4513 binding, 225
 Human serum, 181
 [³H]-YM-09151-2 binding, 133
 Hyperresponsiveness to stress, 219
 Hypertension, 139
 Hypoglycemia, 9

 Imidazole-preferring sites, 389
 Immune defects, 455
 Immunity, 459
 In vivo, 541
 In vivo release, 17
 In vivo voltammetry, 535
 Infectious diseases, 459
 Inhibition, 389
 Inotropism, 293
 Intermittent alcoholization, 311
 Intracerebroventricular injection, 389
 Iron, 341

 Kainate, 63

 Labeling index, 95
 LAD, 71
 LAS, 117
 Lead, 241
 Learning, 75
 Lick rate, 381
 Lifetime prolongation, 139
 Lighting cycle, 123
 Limited access, 441
 Limited access procedure, 123
 Lipid peroxidation, 241, 329
 Lipoperoxidation, 363
 Lisinopril, 53
 Liver, 139, 279
 Liver histomorphometry, 341
 Locomotor activity, 257
 LS and SS mice, 323
 Lymph, 473

 Magnetic resonance imaging, 247
 Malnutrition, 341
 Mammary gland, 95
 Manganese, 341
 Markers for ethanol intake, 189
 MDA, 403
 Membrane fluidity, 513
 Mesolimbic tract, 355
 Methodology, 441
 Mice, 529
 Mice strains, 287
 Microcirculation, 473
 Microdialysis, 17
 Microinjection, 275
 Mitochondrial function, 375
 Mitogen proliferative response, 481
 Morphine, 433
 Morphometry, 271

 Motor activity, 207
 Motor axon, 103
 Murine AIDS, 495
 Muscarinic cholinceptors, 389
 Muscle protein, 79
 Muscle RNA, 79
 Myocardium, 293

 NDO-008, 283
 Nebulization of acetaldehyde, 317
 Neonatal dissociated brain cells, 63
 Nerve growth factor, 171, 299
 Neurons, 541
 Neurotensin, 23
 Neurotrophic factors, 161
 NGF, 161
 N-hydroxycyanamide, 349
 Nicotine, 87
 Nigrostriatal tract, 355
 Nitroxyl, 349
 N-methyl-D-aspartate, 555
 N-methyl-D-aspartate receptors, 57
 Norepinephrine, 389
 Novelty, 427
 Nucleus accumbens, 17, 23
 Nutritive expectancy, 123

 Olfaction, 247
 1-methyl-1,2,3,4-tetrahydro- β -car-
 boline-3-carboxylic acid, 31
 Operant behavior, 109, 193
 Opiates, 155
 Opioids, 433
 Oral drug intake, 203
 Oral drug self-administration, 547

 Palatability, 381
 Pancreatitis, 181
 Pattern of drinking, 415
 Pheochromocytoma (PC12) cells, 171
 Pituitary-adrenal system, 219
 Placenta, 395
 Plasma glycerol, 93
 P/NP rats, 185
 Postingestive factors, 75
 P rat, 559
 Predictable stress, 427
 Preferences, 381
 Prenatal alcohol, 523
 Prenatal ethanol, 287
 Prenatal ethanol exposure, 427
 Prenatal ethanol treatment, 161
 Preoptic area, 275
 Progesterone, 395
 Prolactin, 465
 Prolactinoma, 465
 Prostaglandins, 139, 421
 Protein deficiency, 341
 Protooncogene, 279
 Psychological stressors, 427
 Pulmonary artery, 149
 Pulmonary J receptors, 317
 Pulmonary pressure, 149
 Pyridoxine, 519

 Quinine, 155
 Quisqualate, 63

 Race, 213
 Rat(s), 53, 117, 139, 219, 275, 283, 311,
 381, 403, 409, 421, 433, 509, 535
 Rat brain, 31
 Reaction time, 445

 Receptors, 233
 Receptors, muscarinic, 233
 Red blood cells, 563
 Regeneration, 279
 Renal ultrastructure, 509
 Response compatibility, 445
 Restraint, 427
 Reward, 109
 Rhesus monkeys, 547
 Richter tubes, 441
 Ro 15-4513, 193

 Saccharin, 155, 203
 Salsolinol, 49
 Salt, 155
 Scentmaking, 287
 Selected rat lines, 225, 261
 Selective breeding, 71, 369
 Self-administration, 1
 Sensitization, 327
 Serotonin, 17, 559
 Sex difference(s), 219, 415
 Sexual dimorphism, 287
 Sexual maturation, 501
 SH group, 403
 Sham ingestion, 75
 Sinusoid, 473
 Sleep, 275
 Sleep deprivation, 445
 Sleep-time, 71
 Somatosensory-evoked potentials, 43
 Sphingoid base, 323
 Spontaneous hypertensive rats (SHR), 139
 Spontaneous motor activity, 185
 Steatosis, 341
 Steroid hormones, 95
 Stimulus evaluation, 445
 Stimulus intensity, 445
 Stimulus properties of drugs, 71
 Stimulus quality, 445
 Stress, 219, 529
 Striatum, 133
 Synaptic membrane, 311
 Synaptic plasma membranes, 513
 Synaptosomes, 323

 Taste, 155
 Taste preference, 203
 Taste reactivity, 381
 Terminal vessels, 271
 Thymocyte, 481
 Time-course, 185
 Tolerance, 109, 311
 Trimethylammonium-diphenylhexatriene,
 513
 Trypsin, 181
 Tryptophan, 31
 Tumor, 495

 Unpredictable stress, 427
 UPSIT, 247
 Urinary salsolinol, 49

 Vitamin E, 329
 Voltage-dependent Ca^{2+} channels, 63
 Voluntary alcohol consumption, 139, 369

 Warm acclimation, 129
 Water intake, 123
 Whole intestine, 83
 Withdrawal, 43, 355

 Zinc, 341

AUTHOR INDEX

- Abi-Dargham, A., 369
 Abril, E. R., 455
 Adeyiga, O., 395
 Ahluwalia, B., 395
 Akane, A., 31
 Akbasak, B., 395
 Aloe, L., 299
 Amit, Z., 207
 Andrews, C. M., 409, 433
 Aragon, C. M. G., 207
 Assadi, F. K., 509
- Badger, T. M., 279
 Baker, R. C., 323
 Ballinger, Jr., W. E., 233
 Bao, K., 193
 Barnett, M., 75
 Barwick, V. S., 501
 Beaugé, F., 311
 Becker, H. C., 193, 287
 Bedingfield, J. B., 109
 Belcher, J. D., 563
 Beleslin, D. B., 389
 Berkowitz, A. S., 465
 Bernas, M. J., 473
 Bernhard, V., 329
 Bice, P. J., 381
 Bilsky, E. J., 53
 Bogart, C. J., 43
 Boggan, W. O., 257
 Borgs, P., 473
 Brecher, A. S., 181
 Brown, L. M., 555
 Brugère, S. S., 317
 Brüning, G., 355
 Butters, N., 247
- Carpentier, G., 293
 Carpentier, R. G., 87
 Carreras, O., 83
 Carryl, O. R., 87
 Carter, E. A., 93
 Castre, E., 225
 Castro-Alemán, V., 341
 Cermak, L. S., 247
 Channabasavanna, S. M., 199
 Chaudhury, H., 305
 Chen, G.-J., 489
 Chiappelli, F., 481
 Chrisbacher, G. A., 53
 Chwiecko, M., 403
 Conde-Martel, A., 341
 Corrales, J., 317
 Crabbe, J. C., 529
- Deitrich, R. A., 323
 Delgado, M. J., 83
 DeMaster, E. G., 349, 563
 Dhawan, M., 241
 Dildy-Mayfield, J. E., 63
 DiTraglia, G. M., 247
 Dohrman, D. P., 171
 Domiati-Saad, R., 459
 Draski, L. J., 323
 Duffy, L. K., 213
 Duncan, C. C., 23
 Dyr, W., 283
- Earnest, D. L., 455
- Elder, N. B., 381
 Engel, J. A., 535
 Erwin, V. G., 23
 Eskelson, C. D., 329, 495
- Falk, S., 139
 Farbiszewski, B., 403
 Feest, U., 49
 Files, F. J., 409
 Flora, S. J. S., 241
 Frackelton, W. F., 257
 Freund, G., 233
 Fukuishima, S., 31
 Fulginiti, S., 523
- Galindo-Martin, L., 341
 Gallardo-Carpentier, A., 87, 293
 Gapstur, S. M., 563
 Gauvin, D. V., 1, 109, 167
 Gonzales, R. A., 555
 Gonzalez, L. E., 519
 Gonzalez, L. P., 43
 González-Reimers, E., 341
 Goodlett, C. R., 37, 171
 Gosnell, B. A., 203
 Gottesfeld, Z., 453, 465
 Gross, M. D., 563
 Guru, S. C., 199
- Hale, R. L., 287
 Hamdi, A., 133
 Hamm, M., 305
 Hayden, J. B., 279
 Heaton, M. B., 161
 Held, I. R., 79
 Henagan, J. M., 421
 Hernandez, L., 519
 Hilakivi, L. A., 369
 Hodge, C. W., 433
 Holloway, F. A., 1, 109, 167
 Holownia, A., 403
 Honkanen, A., 369
 Hubbell, C. L., 53
 Hunt, W. A., 327
 Hunter, G. C., 329
 Huttunen, P., 129
 Hyttiä, P., 441
- Irwin, M., 247
 Isaacson, R. L., 293
- Japundžić, N., 389
 Jayatilleke, E., 363
 Jernigan, T. L., 247
 Jerrells, T. R., 459
 Johannessen, K., 535
 Jones, T. W., 555
 Jovanović-Mičić, D., 389
- Kalbfleisch, L. D., 445
 Kampov-Polevoy, A., 155
 Kaulen, P., 355
 Keith, L. D., 529
 Kemper, A., 49
 Kettunen, R., 149
 Keyes Scott, B., 189
 Kiefer, S. W., 381
 King, D. A., 109
 Knapp, D. J., 305
- Koalick, F., 49
 Korpi, E. R., 225, 261, 369
 Kostowski, W., 283
 Krahn, D. D., 203
 Kraszpulski, M., 271
 Krimmer, E. C., 71
 Krössin, A., 139
 Krull, K. R., 445
 Kulkosky, P. J., 123
 Kwon, C.-H., 349
- Lancaster, F. E., 9, 415
 Lands, W. E. M., 327
 Laruelle, M., 369
 Lee, M. J. C., 349
 Lee, L., 421
 Lekovic, G., 275
 Leslie, S. W., 63, 555
 Lewis, R. S., 433
 Li, T.-K., 17, 155
 Łukaszyk, I., 271
 Lumeng, L., 17
 Lumpkin, Jr., C. K., 279
 Luo, J., 171
- Macenski, M. J., 547
 Machu, T., 63
 Mahoney, J. C., 37
 Marrinan, D. A., 123
 Martinez, F., 455
 Martínez-Riera, A., 341
 Matsubara, K., 31
 McBride, W. J., 17
 McClung, J. K., 279
 McGivern, R. F., 335
 McNary, M. Q., 95
 McNeill, D. L., 43
 Meisch, R. A., 547
 Middaugh, L. D., 193, 287, 257
 Miller, T. A., 421
 Minetti, S. A., 523
 Mohnhaupt, A., 139
 Morian, K. R., 559
 Mrak, R. E., 513
 Mufti, S. J., 495
 Murillo, M. L., 83
 Murthy, P., 199
 Myers, R. D., 501
- Nagasawa, H. T., 349
 Nickel, B., 49
 Nikolic, S. B., 389
 Nurmi, M., 441
- Odeleye, O. E., 495
 Onofrio, A., 257
 O'Regan, M. H., 541
- Paiva, M., 161
 Päivärinta, P., 369
 Pantazis, N. J., 171
 Parada, M. A., 519
 Parsons, O. A., 445
 Pavlock, J. L., 181
 Paxton, L. L., 37
 Penna, M. A., 317
 Perkins, L. M., 541
 Pesold, C. N., 207
 Peterson, M., 189
- Phillis, J. W., 541
 Pilati, M. L., 481
 Piotrowski, J. J., 329
 Pirozhkov, S. V., 329, 489
 Pohorecky, L. A., 305
 Ponticello, R., 305
 Potter, J. D., 563
 Prasad, C., 133
- Queen, S. A., 37
 Quintanilla, M. E., 375
- Rabe, H., 49
 Radecka, A., 403
 Radulovacki, T., 275
 Raeder, C., 355
 Rajguru, S., 395
 Ramirez, Jr., G., 473
 Randall, C. L., 287
 Ray, R., 199
 Reid, L. D., 53
 Rodríguez-Moreno, F., 341
 Rommelspacher, H., 355
 Rowland, N. E., 75, 559
 Rubio, J. M., 83
 Rudzińska-Kisiel, T., 271
- Saad, A. J., 459
 Salvatici, R. P., 293
 Samardžić, R., 389
 Samson, H. H., 409, 433
 Sanchez, C. F., 37
 Sanchez, M. R., 123
 Santolaria-Fernández, F., 341
 Sarviharju, M., 225
 Saukko, P., 149
 Savage, D. D., 37
 Schechter, M. D., 71, 117, 185
 Schlicht, I., 139
 Schmidt, K. L., 421
 Schuckit, M. A., 247
 Schwarz-Stevens, K., 409
 Segal, B., 213
 Seppälä, T., 225
 Shaw, S., 363
 Shear, P. K., 247
 Shepherd, C. L., 193, 257
 Shiono, H., 31
 Shiota, F. N., 349
 Sinclair, J. D., 155, 441
 Singletary, K. W., 95
 Smith, D., 395
 Smith, L. T., 445
 Spiegel, K. S., 9, 415
 Stephens, P. J., 103
 Stewart, R., 155
 Stojanovic, M., 275
 Suzdak, P. D., 225
 Svensson, L., 535
 Swanson, D. J., 161
- Tampier, L., 375
 Tandon, S. K., 241
 Taranath Shetty, K., 199
 Tarpley, M. D., 279
 Taylor, A. N., 481
 Taylor, J. M., 279
 Ticho, S. R., 275
 Timisjarvi, J., 149

Tio, D., 481
Tirassa, P., 299
Tolliver, G. A., 409
Tornwall, M. S., 421
Trent, R. D., 555
Trippe, K., 465
Tritt, S. H., 481
Tuominen, K., 369
Tuominen, T., 225

Ullman, M. D., 323
Uusi-Oukari, M., 225, 261

Vazquez, A. L., 83
Ventura, R. F., 323
Viglicca, N. S., 523

Walker, D. W., 161
Wargovich, M. J., 465

Watson, R. R., 329, 453, 455,
489, 495
Way, D. L., 473
Weinberg, J., 219, 427
West, J. R., 37, 171
White, M. H., 473
Witte, C. L., 473
Wong, M. K. C., 189

Wrzolkowa, T., 271
Wu, C., 535

Yellon, S. M., 335
Yoshimoto, K., 17

Zajac, C. S., 509
Zerouga, M., 311

